SEQUENCE LISTING

<110> GAN, Weiniu et al. <120> ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES THEREOF <130> CL001147-DIV <160> 5 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 4970 <212> DNA <213> Homo sapiens <400> 1 gttctgagaa gacaagagca agggactgag agcaggcttc cgctgcggcg cgcgaacaca 60 gccgggacac aacccccagc gtctccaccc gctcctcgcc accccggcgg gaatgtgagg 120 aaggaaagcc cccagcgccg ccgcccgccc tcgaaggcgt cccagagagc gtcctggggg 180 cccgcggctg gagcccttgt gcccgcagca ccgccggact ggagcggcga ggcgcaccgg 240. gtgccgcttc tcggcttcca ctcttcagaa agagcgcggt ggggatcagc gcctttcccg 300 cacteggeac aacteeggga eeggeggege geggetggae egagteeege tteeeggeag 360 ctcacctgga gtcgggggca gccctgccc gcccgcctgc accccttgtc gctctagctt 420 gegegaacet geegeteete eaegeeeagg tagtgageee egeggeteea ggtetetgea 480 gcgccctcgg ccccatggac agcgcaccca tcaccactcc ctaagtgctg gcgccgccgc 540 tgtccaaget gegeactggg gteeetegge tegeeeetet etggggtgte egagaggeea 600 gggagcgtgc accatgaagt ccgcgctttt cacccgcttc tttatcctcc tgccctggat 660 cctaattgtc atcatcatgc tcgacgtgga cacgcgcagg ccagtgcccc cgctcacccc 720 gegeceetae tteteteeet aegeggtggg eegegggge geeegaetee egeteegeag 780 gggeggeeeg geteaeggga eecaaaageg caaceagtet eggeegeage cacageegga 840 gccgcagctg cccaccatct atgccatcac gcccacctac agccgcccgg tgcagaaagc 900 ggagetgace egeetggeea acaegtteeg ceaggtggeg eagetgeact ggateetggt 960 ggaggacgcg gcggcgca gcgagctggt gagccgcttc ctggcgcggg ccgggctgcc 1020 cagcactcac ctgcacgtgc ccacgccgcg gcgctacaag cggcccgggc tgccgcgcg 1080 cactgagcag cgcaacgcgg gcctcgcctg gctgcgccag aggcaccagc accagcgcgc 1140 gcagcccggc gtgctcttct tcgctgacga cgacaacacc tataqtctgq aqctcttcca 1200 ggagatgcga accacccqca aggtctccqt ctqqcctqtq qqcctqqttq qtqqqcqqcq 1260 ctacgaacgt ccgctggtgg aaaacggcaa agttgttggc tggtacaccg gctggagagc 1320 agacaggcct tttgccatcg acatggcagg atttgctgta agtcttcaag tcattttgtc 1380 caatccaaaa gctgtattta agcgtcgtgg atcccagcca gggatgcaag aatctgactt 1440 tctcaaacag ataacaacag tcgaagaact ggaaccgaaa gcaaataact gcactaaggt 1500 tctcgtgtgg cacactcgga cagagaaggt taatctagcc aacgagccaa agtaccacct 1560 ggacacagtg aaaattgagg tataataaat tqaaqcaqca actgqtqcag tttqtccaqc 1620 cagtggatcc atatggaaga ggatgtttgg agtttaggct acagagcatt caggtattgt 1680 ttgttttact tcagtacagc agcctttctt gtcatctgat ggacatctgt ttaaatggag 1740 cttgtcagtt aacataagct aattggatgg ttggtacaaa atgtatgttt tgtcttcatt 1800. tgttctgcat gttttctcta caacaactaa attggaagat ttttttgtac agtgccgata 1860 ctgcaagata ccactcttga gtatatattt tttctttttc tccaatttgc ccttataatt 1920 ggtagacttg aacaggttgg tagacttgaa caggttttta aaacagacaa gtattttgtc 1980 agctaaacgt tcctgatgat tcctgacttt gcaatactaa gtaatttttg gaaggttagt 2040 ggcagtatac atcataggaa ataaaaaccc acaaatgaaa aggtctatgg agtcatgttt 2100

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